

**CRF Errors Corrected by the STIC Systems Branch**

OIPÉ 0590  
0411

Serial Number: 09/985,936

**ENTERED**

CRF Processing Date: 4/23/2002  
 Edited by: JS  
 Verified by: JS (STIC staff)

#9

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☒ Inserted mandatory headings, specifically: Seq 5- extra 22207
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



OIKE

## RAW SEQUENCE LISTING

DATE: 04/23/2002

PATENT APPLICATION: US/09/985,936

TIME: 10:25:40

Input Set : N:\Crf3\04162002\I985936.raw

Output Set: N:\CRF3\04232002\I985936.raw

```

1 <110> APPLICANT: Stefan KAPPELER
2   Zakaria FARAH
3   Johannes Maarten van den BRINK
4   Henrik RAHBK-NIELSEN
5   Peter BUDTZ
6 <120> TITLE OF INVENTION: Method of producing non-bovine chymosin
7   and use hereof
8 <130> FILE REFERENCE: KAPPELER=1A
9 <140> CURRENT APPLICATION NUMBER: US/09/985,936
10 <141> CURRENT FILING DATE: 2001-11-06
11 <150> PRIOR APPLICATION NUMBER: US 09/705,917
12 <151> PRIOR FILING DATE: 2000-11-06
13 <160> NUMBER OF SEQ ID NOS: 7
14 <170> SOFTWARE: FastSEQ for Windows Version 4.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 34
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
20 <220> FEATURE:
21 <223> OTHER INFORMATION: Primer for PCR amplification
22 <400> SEQUENCE: 1
23   cacgtggcgg agtgggatca ccaggatccc tctg          34
25 <210> SEQ ID NO: 2
26 <211> LENGTH: 34
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Primer for PCR amplification
31 <400> SEQUENCE: 2
32   tctagaggat cagatggcct tggccagccc cacg          34
34 <210> SEQ ID NO: 3
35 <211> LENGTH: 35
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Oligonucleotide primer for oligonucleotide-based
40   mutagenesis
41 <400> SEQUENCE: 3
42   gcgacgggtga ctgacacgtg gcgggcagaa ataac          35
44 <210> SEQ ID NO: 4
45 <211> LENGTH: 35
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

DATE: 04/23/2002

PATENT APPLICATION: US/09/985,936

TIME: 10:25:40

Input Set : N:\Crf3\04162002\I985936.raw

Output Set: N:\CRF3\04232002\I985936.raw

48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: Oligonucleotide for oligonucleotide-based  
 50 mutagenesis  
 51 <400> SEQUENCE: 4  
 52 gttatttctg cccgccacgt gtcagtcacc gtcgc 35  
 54 <210> SEQ ID NO: 5  
 55 <211> LENGTH: 11  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: Artificial Sequence  
 58 <220> FEATURE:  
 59 <223> OTHER INFORMATION: Chymosin hydrolyzes the peptide bond between  
 60 nitrophenylalanine and Met.  
 61 <220> FEATURE:  
 62 <221> NAME/KEY: VARIANT  
 63 <222> LOCATION: (8)..(8)  
 64 <223> OTHER INFORMATION: Xaa = nitrophenylalanine  
 65 <400> SEQUENCE: 5  
 66 His Pro His Pro His Leu Ser Xaa Met Ala Ile  
 67 1 5 10  
 69 <210> SEQ ID NO: 6  
 70 <211> LENGTH: 11  
 71 <212> TYPE: PRT  
 72 <213> ORGANISM: Artificial Sequence  
 73 <220> FEATURE:  
 74 <223> OTHER INFORMATION: Chymosin hydrolyzes the peptide bond between  
 75 nitrophenylalanine and Ile.  
 76 <220> FEATURE:  
 77 <221> NAME/KEY: VARIANT  
 78 <222> LOCATION: (8)..(8)  
 79 <223> OTHER INFORMATION: Xaa = nitrophenylalanine  
 80 <400> SEQUENCE: 6  
 81 Arg Pro Arg Pro Arg Pro Ser Xaa Ile Ala Ile  
 82 1 5 10  
 84 <210> SEQ ID NO: 7  
 85 <211> LENGTH: 4  
 86 <212> TYPE: PRT  
 87 <213> ORGANISM: Artificial Sequence  
 88 <220> FEATURE:  
 89 <223> OTHER INFORMATION: synthetic  
 90 <220> FEATURE:  
 91 <221> NAME/KEY: misc\_feature  
 92 <222> LOCATION: (4)..(4)  
 93 <223> OTHER INFORMATION: Xaa is Ser or Thr  
 94 <400> SEQUENCE: 7  
 95 Asp Thr Gly Xaa  
 96 1



OIIPE

## RAW SEQUENCE LISTING

DATE: 04/16/2002

PATENT APPLICATION: US/09/985,936

TIME: 10:18:23

Input Set : A:\KAPPELERIA.txt

Output Set: N:\CRF3\04162002\I985936.raw

Does Not Comply  
Corrected Diskette Needed.

P. 2

raw

```

4 <110> APPLICANT: Stefan KAPPELER
5      Zakaria FARAH
6      Johannes Maarten van den BRINK
7      Henrik RAHBK-NIELSEN
8      Peter BUDTZ
10 <120> TITLE OF INVENTION: Method of producing non-bovine chymosin
11      and use hereof
13 <130> FILE REFERENCE: KAPPELER=1A
15 <140> CURRENT APPLICATION NUMBER: US 09/985,936
16 <141> CURRENT FILING DATE: 2001-11-06
18 <150> PRIOR APPLICATION NUMBER: US 09/705,917
19 <151> PRIOR FILING DATE: 2000-11-06
21 <160> NUMBER OF SEQ ID NOS: 7
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 34
27 <212> TYPE: DNA
C--> 28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Primer for PCR amplification
33 <400> SEQUENCE: 1
34 cacgtggcgg agtgggatca ccaggatccc tctg          34
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 34
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Primer for PCR amplification
44 <400> SEQUENCE: 2
45 tctagaggat cagatggcct tggccagccc cacy          34
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 35
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Oligonucleotide primer for oligonucleotide-based
54      mutagenesis
56 <400> SEQUENCE: 3
57 gcgacggtga ctgacacgtg gcgggcagaa ataac          35
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 35
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/985,936

DATE: 04/16/2002

TIME: 10:18:23

Input Set :: A:\KAPPELER1A.txt

Output Set: N:\CRF3\04162002\I985936.raw

```

64 <220> FEATURE:
65 <223> OTHER INFORMATION: Oligonucleotide for oligonucleotide-based
66     mutagenesis
68 <400> SEQUENCE: 4
69 gttatttctg cccgccacgt gtcagtcacc gtcgc
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 11
73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Chymosin hydrolyzes the peptide bond between
78     nitrophenylalanine and Met.
80 <220> FEATURE <220> delete
81 <221> NAME/KEY: VARIANT
82 <222> LOCATION: (8)..(8)
83 <223> OTHER INFORMATION: Xaa = nitrophenylalanine
85 <400> SEQUENCE: 5
WE-> 86 His Pro His Pro His Leu Ser Xaa Met Ala Ile
87 1 5 10
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 11
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Chymosin hydrolyzes the peptide bond between
97     nitrophenylalanine and Ile.
99 <220> FEATURE:
100 <221> NAME/KEY: VARIANT
101 <222> LOCATION: (8)..(8)
102 <223> OTHER INFORMATION: Xaa = nitrophenylalanine
104 <400> SEQUENCE: 6
WE-> 105 Arg Pro Arg Pro Arg Pro Ser Xaa Ile Ala Ile
106 1 5 10
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 4
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: synthetic
117 <220> FEATURE:
118 <221> NAME/KEY: misc_feature
119 <222> LOCATION: (4)..(4)
120 <223> OTHER INFORMATION: Xaa is Ser or Thr
122 <400> SEQUENCE: 7
WE-> 123 Asp Thr Gly Xaa
124 1

```